

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2019 Levee Inspection Results

Yolo County Service Area 6

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2019 Levee Inspection Results

Yolo County Service Area 6

Waterway			Bank	Unit Miles
Unit No. 01 Right Bank of Sacramento River at Knights Landing			Right	5.87
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/29/2019 - 3/29/2019			
DWR Inspector	Zach Jojola			
Accompanied By	Casey Leibler Yolo County			
	Thomas Engler MBK			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start		Rating **	A	Issue No.	33
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals				
DWR ID	DWR_NA0022_01_s _ 2013_33				
Comment Code					
Inspector Comment					
Yolo County has copies of the O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	34
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training				
DWR ID	DWR_NA0022_01_s _ 2013_34				
Comment Code					
Inspector Comment					
Yolo County OES has a written flood response plan and flood response training.					

No Photos

LM Start		Rating **	A	Issue No.	38
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment				
DWR ID	DWR_NA0022_01_s _ 2012_38				
Comment Code					
Inspector Comment					
Yolo County OES has a stockpile of flood response material.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	0.13	Rating **	M	Issue No.	396	
LM End	0.13	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.800647 °	38.800647 °	
				-121.723212 °	-121.723212 °	
DWR ID	19515					
Comment Code						
Inspector Comment						
FS_ID:31903						
DS_ID:19515						
EP_NO: 9425						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Need to properly abandon crossing per Title 23-- pipe has been disconnected. No signs of pipe visible on waterward and landward sides. Need to contact owner to determine additional information about pipe section through levee.						
FIELD_STRUCT_DESC: *ABANDONED* 8-inch steel irrigation discharge pipe through the levee, 3 feet below the crown. Pump structure in the channel. 8-inch pipe replaced by a 4-inch pipe. (Retention of an 8-inch steel pipe through the levee and a pump on a platform on the waterside [WS] authorized under Automatic Board Order (ABO) issued as Permit No. 9425, 1974 - Albert E. Nuttall). [Additional Reference(s): DWR Levee Log, 2005].						
FS Date: 3/4/2014						

LM Start	0.13	Rating **	M	Issue No.	396 (cont)
LM End	0.13	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2019_31903_58222.jpg



View of landward side.

Photo 2 of 3 : UCIP_SP_2019_31903_58221.jpg



Overview of levee crown looking at crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	0.13	Rating **	M	Issue No.	396 (cont)	
LM End	0.13	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.800647 °	38.800647 °	
				-121.723212 °	-121.723212 °	
DWR ID	19515					
Comment Code						
Inspector Comment						
FS_ID:31903 DS_ID:19515 EP_NO: 9425 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to properly abandon crossing per Title 23-- pipe has been disconnected. No signs of pipe visible on waterward and landward sides. Need to contact owner to determine additional information about pipe section through levee. FIELD_STRUCT_DESC: *ABANDONED* 8-inch steel irrigation discharge pipe through the levee, 3 feet below the crown. Pump structure in the channel. 8-inch pipe replaced by a 4-inch pipe. (Retention of an 8-inch steel pipe through the levee and a pump on a platform on the waterside [WS] authorized under Automatic Board Order (ABO) issued as Permit No. 9425, 1974 - Albert E. Nuttall). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 3/4/2014						

Photo 3 of 3 : UCIP_SP_2019_31903_58220.jpg



View of waterward side.

LM Start	0.15	Rating **	C	Issue No.	49
LM End	0.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.800842 °	38.800842 °
				-121.722777 °	-121.722777 °
DWR ID	DWR_NA0022_01_f_2018_49				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	0.19	Rating **	M	Issue No.	43
LM End	0.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.801122 °	38.801122 °
				-121.722265 °	-121.722265 °
DWR ID	DWR_NA0022_01_s_2019_43				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP_2019_NA0022_350_43_20190329_00128.jpg



View of vegetation on the waterside slope. Spring 2019.

LM Start	0.21	Rating **	M	Issue No.	397
LM End	0.21	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.801280 °	38.801280 °
				-121.722000 °	-121.722000 °
DWR ID	19516				
Comment Code					
Inspector Comment					
FS_ID:31904 DS_ID:19516 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to properly abandon per Title 23 if corssing is no longer used--debris inside concrete box and near site. Need to contact owner. FIELD_STRUCT_DESC: 48-inch corrugated metal gravity drainage pipe through the levee, 14.5 feet below the crown. Slide gate in a concrete box on the waterside (WS) bank. (Automatic Board Order (ABO) issued as Permit No. Unknown, 1976 - Wallace) [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 3/4/2014					

Photo 1 of 3 : UCIP_SP_2019_31904_58228.jpg



Pipe section with holes abandoned on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	0.21	Rating **	M	Issue No.	397 (cont)	
LM End	0.21	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.801280 °		38.801280 °
				-121.722000 °		-121.722000 °
DWR ID	19516					
Comment Code						
Inspector Comment						
FS_ID:31904 DS_ID:19516 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to properly abandon per Title 23 if corssing is no longer used--debris inside concrete box and near site. Need to contact owner. FIELD_STRUCT_DESC: 48-inch corrugated metal gravity drainage pipe through the levee, 14.5 feet below the crown. Slide gate in a concrete box on the waterside (WS) bank. (Automatic Board Order (ABO) issued as Permit No. Unknown, 1976 - Wallace) [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 3/4/2014						

LM Start	0.21	Rating **	M	Issue No.	397 (cont)
LM End	0.21	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2019_31904_58227.jpg



View of waterward toe photo taken from bridge.

Photo 3 of 3 : UCIP_SP_2019_31904_58226.jpg



Concrete box located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	0.22	Rating **	M	Issue No.	28
LM End	0.25	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.801394 °	38.801613 °
				-121.721918 °	-121.721328 °
DWR ID	DWR_NA0022_01_s_2012_28				
Comment Code					
BU : Building					
Inspector Comment					
RV park runs on and along levee to bridge.					

Photo 1 of 2 : SP_2019_NA0022_350_28_20190304_00013.jpg



The RV park is encroached into the levee crown. Fall 2013

LM Start	0.22	Rating **	M	Issue No.	28 (cont)
LM End	0.25	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP_2019_NA0022_350_28_20190304_00014.jpg



Trailers on the crown of the levee. Spring 2014

LM Start	0.25	Rating **	M	Issue No.	59
LM End	0.25	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.801588 °	38.801588 °
				-121.721353 °	-121.721353 °
DWR ID	DWR_NA0022_01_f_2017_59				
Comment Code					
ST : Stairway					
Inspector Comment					

Photo 1 of 1 : SP_2019_NA0022_350_59_20190304_00032.jpg



View of stairs on landside slope. Fall 2017.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
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Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	0.26	Rating **	M	Issue No.	398
LM End	0.26	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.801597 °	38.801597 °
				-121.721226 °	-121.721226 °
DWR ID	19513				
Comment Code					
Inspector Comment					
FS_ID:45403 DS_ID:19513 EP_NO: 9424 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to determine alignment of crossing--it's either through levee or along landward side. It appears that the waterline goes along landward side. Need to contact owner to obtain additional information about crossing. 2 inch metal pipe sticking out at the waterward berm edge. FIELD_STRUCT_DESC: Water pipe of an unknown size or material through the levee, at an unknown depth. Faucets on the landside (LS) slope. (Retention of an underground water pipe and faucet on the LS slope authorized under Automatic Board Order (ABO) issued as Permit No. 9424, 1974 - O. H. Ivey). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 3/4/2014					

LM Start	0.26	Rating **	M	Issue No.	398 (cont)
LM End	0.26	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2019_45403_60805.jpg



Spigot located on landward side.

Photo 2 of 3 : UCIP_SP_2019_45403_60804.jpg



Spigot located on landward toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	0.26	Rating **	M	Issue No.	398 (cont)	
LM End	0.26	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.801597 °	38.801597 °	
				-121.721226 °	-121.721226 °	
DWR ID	19513					
Comment Code						
Inspector Comment						
FS_ID:45403 DS_ID:19513 EP_NO: 9424 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to determine alignment of crossing--it's either through levee or along landward side. It appears that the waterline goes along landward side. Need to contact owner to obtain additional information about crossing. 2 inch metal pipe sticking out at the waterward berm edge. FIELD_STRUCT_DESC: Water pipe of an unknown size or material through the levee, at an unknown depth. Faucets on the landside (LS) slope. (Retention of an underground water pipe and faucet on the LS slope authorized under Automatic Board Order (ABO) issued as Permit No. 9424, 1974 - O. H. Ivey). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 3/4/2014						

Photo 3 of 3 : UCIP_SP_2019_45403_60803.jpg



View of waterward side.

LM Start	0.26	Rating **	M	Issue No.	60
LM End	0.26	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.801605 °	38.801605 °
				-121.721059 °	-121.721059 °
DWR ID	DWR_NA0022_01_f_2017_60				
Comment Code					
DE : Debris					
Inspector Comment					
A sitting bench with posts set in concrete is located on the levee crown.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	0.28	Rating **	M	Issue No.	56
LM End	0.28	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.801628 °	38.801628 °
				-121.720838 °	-121.720838 °
DWR ID	DWR_NA0022_01_s_2018_56				
Comment Code					
DE : Debris					
Inspector Comment					
A fish cleaning station is located at the waterside toe.					

No Photos

LM Start	0.29	Rating **	N	Issue No.	150
LM End	0.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.801637 °	38.801637 °
				-121.720605 °	-121.720605 °
DWR ID	DWR_NA0022_01_s_2017_150				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	0.31	Rating **	M	Issue No.	61
LM End	0.31	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.801721 °	38.801721 °
				-121.720271 °	-121.720271 °
DWR ID	DWR_NA0022_01_f_2017_61				
Comment Code					
ST : Stairway					
Inspector Comment					
CVFPB enforcement item 2016-10754.					

Photo 1 of 1 : SP_2019_NA0022_350_61_20190304_00033.jpg



View of stairs on landside slope. Fall 2017.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	0.33	Rating **	M	Issue No.	399
LM End	0.33	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.801867 °	38.801867 °
				-121.719923 °	-121.719923 °
DWR ID	19534				
Comment Code					
Inspector Comment					
FS_ID:31906 DS_ID:19534 EP_NO: 17016 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to confirm crossing alignment--steel pipe visible on waterward side however, unable to confirm if crossing is the same one found during field confirmation. Need to contact owner to verify alignment and status of crossing. Slope was too steep to verify and obtain additional information about pipe. FIELD_STRUCT_DESC: Three 2-inch and three 1.5-inch fiber optics conduits through the levee, encased in a single high-density polyethylene (HDPE) casing, 30 feet below the crown. Concrete cap on each end of the HDPE casing. Voids in the HDPE casing grouted. (Plans to install three 2-inch and three 1.5-inch fiber optics conduits within a casing across and bored under the Sacramento River and its levees authorized under Permit No. 17016, 2000 - Worldwide Fiber). FS Date: 3/4/2014					

LM Start	0.33	Rating **	M	Issue No.	399 (cont)
LM End	0.33	Issue Type +	En	Location *	

Photo 1 of 2 : UCIP_SP_2019_31906_58238.jpg



Steel pipe located on waterward side--pipe disconnected.

Photo 2 of 2 : UCIP_SP_2019_31906_58237.jpg



No pipe attached along bridge.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	0.35	Rating **	U	Issue No.	26
LM End	0.39	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.801886 °	38.802020 °
				-121.719588 °	-121.718889 °
DWR ID	DWR_NA0022_01_f_2018_26				
Comment Code					
BU : Building					
Inspector Comment					
Apartments with chainlink fence with lathe woven into it is located on the landside toe.					

Photo 1 of 1 : SP_2019_NA0022_350_26_20190304_00012.jpg



The apartments and fence along the toe of the levee. Fall 2013

LM Start	0.35	Rating **	M	Issue No.	102
LM End	0.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.801887 °	38.802225 °
				-121.719587 °	-121.717186 °
DWR ID	DWR_NA0022_01_s_2016_102				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove trees less than 4" in diameter at chest height.					

Photo 1 of 1 : SP_2019_NA0022_350_102_20190304_00050.jpg



View of the trees on the waterward side of the levee looking downstream. Spring 2016.

LM Start	0.40	Rating **	M	Issue No.	71
LM End	0.40	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.802052 °	38.802052 °
				-121.718624 °	-121.718624 °
DWR ID	DWR_NA0022_01_f_2016_71				
Comment Code					
EQ : Equipment					
Inspector Comment					
Trailers are located on the waterside berm.					

Photo 1 of 1 : SP_2019_NA0022_350_71_20190304_00035.jpg



Vehicles and equipment on waterward side of the levee. Fall inspection 10/07/2016.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

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Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	0.41	Rating **	M	Issue No.	104
LM End	0.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.802066 °	38.802126 °
				-121.718477 °	-121.718133 °
DWR ID	DWR_NA0022_01_s_2016_104				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP_2019_NA0022_350_104_20190304_00051.jpg



View of the tree on the landward side of the levee looking downstream. Spring 2016.

LM Start	0.50	Rating **	M	Issue No.	395
LM End	0.54	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.802120 °	38.801882 °
				-121.716867 °	-121.716165 °
DWR ID	DWR_NA0022_01_f_2013_395				
Comment Code					
MA : Material					
Inspector Comment					

Photo 1 of 1 : SP_2019_NA0022_350_395_20190304_00062.jpg



Material blocking visibility on the waterside of the levee. Fall 2013

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	0.51	Rating **	M	Issue No.	400
LM End	0.51	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.802062 °	38.802062 °
				-121.716740 °	-121.716740 °
DWR ID	19544				
Comment Code					
Inspector Comment					
FS_ID:31627 DS_ID:19544 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to confirm if signs of crossing are for the same crossing listed here. Need to contact owner and determine additional information about crossing. Also found is service box for water line--need permit and alignment confirmation. FIELD_STRUCT_DESC: 10-inch steel pipe of an unknown purpose through the levee, at an unknown depth. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 127, June 1953, (Station 285+27)]. FS Date: 3/4/2014					

Photo 1 of 3 : UCIP_SP_2019_31627_57881.jpg



View of landward side. Alignment is visible on paved road.

LM Start	0.51	Rating **	M	Issue No.	400 (cont)
LM End	0.51	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2019_31627_57880.jpg



View of waterward side. Alignment is visible on paved road.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	0.51	Rating **	M	Issue No.	400 (cont)
LM End	0.51	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.802062 °	38.802062 °
				-121.716740 °	-121.716740 °
DWR ID	19544				
Comment Code					
Inspector Comment					
FS_ID:31627 DS_ID:19544 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to confirm if signs of crossing are for the same crossing listed here. Need to contact owner and determine additional information about crossing. Also found is service box for water line--need permit and alignment confirmation. FIELD_STRUCT_DESC: 10-inch steel pipe of an unknown purpose through the levee, at an unknown depth. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 127, June 1953, (Station 285+27)]. FS Date: 3/4/2014					

Photo 3 of 3 : UCIP_SP_2019_31627_57879.jpg



Service box located on waterward side near fence post.

LM Start	0.52	Rating **	U	Issue No.	63
LM End	0.53	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.801980 °	38.801929 °
				-121.716502 °	-121.716330 °
DWR ID	DWR_NA0022_01_f_2017_63				
Comment Code					
FE : Fence					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	0.54	Rating **	M	Issue No.	24
LM End	0.57	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.801910 °	38.801823 °
				-121.716170 °	-121.715683 °
DWR ID	DWR_NA0022_01_s_2012_24				
Comment Code					
FE : Fence					
Inspector Comment					
A chain link fence is located on the levee crown.					

Photo 1 of 1 : SP_2019_NA0022_350_24_20190304_00011.jpg



View of chain link fence on crown. Fall 2013.

LM Start	0.55	Rating **	M	Issue No.	401
LM End	0.55	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.801855 °	38.801855 °
				-121.716003 °	-121.716003 °
DWR ID	19553				
Comment Code					
Inspector Comment					
FS_ID:38995 DS_ID:19553 EP_NO: 17649 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 1 inch line visible on landward side (38.801855, -121.716003) unable to confirm if line is the line authorized. Need to contact owner to confirm installation and size. FIELD_STRUCT_DESC: 2 of 2: 1.5-inch water line of an unknown material through the levee, 2 feet below the crown. (Plans to install a 4-inch sewer line and a 1.5-inch water line through the levee authorized under Permit No. 17649, 2004 - Gerald R. Rose). FS Date: 3/4/2014					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	0.57	Rating **	U	Issue No.	22
LM End	0.72	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.801815 °	38.800928 °
				-121.715628 °	-121.712991 °
DWR ID	DWR_NA0022_01_s_2012_22				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Oleander hedge completely blocks visibility and access on landside slope.					

Photo 1 of 1 : SP_2019_NA0022_350_22_20190304_00009.jpg



Oleanders along the shoulder.

LM Start	0.57	Rating **	M	Issue No.	402
LM End	0.57	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.801798 °	38.801798 °
				-121.715584 °	-121.715584 °
DWR ID	19519				
Comment Code					
Inspector Comment					
FS_ID:38188					
DS_ID:19519					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Unable to find any signs of crossing on waterward side. Signs of concrete riser visible on landward side. If crossing is abandoned owner will need to coordinate with the Central Valley Flood Protection Board (CVFPB) for Title 23 requirements.					
FIELD_STRUCT_DESC: 10-inch pipe of an unknown material or purpose through the levee, 3.3 feet below the crown. 24-inch concrete riser on the landside (LS). Plate welded on the waterside (WS) end in 1975. [Additional Reference(s): DWR Levee Log, 2005].					
FS Date: 3/4/2014					

Photo 1 of 3 : UCIP_SP_2019_38188_69562.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	0.57	Rating **	M	Issue No.	402 (cont)
LM End	0.57	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.801798 °	38.801798 °
				-121.715584 °	-121.715584 °
DWR ID	19519				
Comment Code					
Inspector Comment					
FS_ID:38188 DS_ID:19519 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to find any signs of crossing on waterward side. Signs of concrete riser visible on landward side. If crossing is abandoned owner will need to coordinate with the Central Valley Flood Protection Board (CVFPB) for Title 23 requirements. FIELD_STRUCT_DESC: 10-inch pipe of an unknown material or purpose through the levee, 3.3 feet below the crown. 24-inch concrete riser on the landside (LS). Plate welded on the waterside (WS) end in 1975. [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 3/4/2014					

LM Start	0.57	Rating **	M	Issue No.	402 (cont)
LM End	0.57	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2019_38188_69560.jpg



View of waterward slope. Large hole visible on waterward side.

Photo 3 of 3 : UCIP_SP_2019_38188_69561.jpg



Residential property standpipe located behind fence.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	0.65	Rating **	M	Issue No.	70
LM End	0.65	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.801372 °	38.801372 °
				-121.714247 °	-121.714247 °
DWR ID	DWR_NA0022_01_f_2015_70				
Comment Code					
DE : Debris					
Inspector Comment					

Photo 1 of 1 : SP_2019_NA0022_350_70_20190304_00034.jpg



View of the firewood on the landward side of the levee looking downstream. Fall 2015.

LM Start	0.93	Rating **	M	Issue No.	403	
LM End	0.93	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.800200 °		38.800200 °
				-121.709258 °		-121.709258 °
DWR ID	19540					
Comment Code						
Inspector Comment						
FS_ID:31969 DS_ID:19540 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe section on waterward side appears to have been removed and reinstalled--Need to contact owner to obtain additional information regarding work completed. FIELD_STRUCT_DESC: 14-inch steel irrigation discharge pipe through the levee, 4.6 feet below the crown. Pump and valve on the riverbank. See DS_ID 19521. (Plans for installation of an angle mount low-lift pump and structure to replace an existing portable pumping plant, which will be connected to the existing 14-inch discharge pipe through the levee authorized under Permit No. 3798, 1961 - Alta Morris). [Additional Reference(s): USACE Sacramento O&M Manual 127, June 1953, (Station 266+72.2)]. FS Date: 3/4/2014						

Photo 1 of 3 : UCIP_SP_2019_31969_58410.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	0.93	Rating **	M	Issue No.	403 (cont)	
LM End	0.93	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.800200 °	38.800200 °	
				-121.709258 °	-121.709258 °	
DWR ID	19540					
Comment Code						
Inspector Comment						
FS_ID:31969						
DS_ID:19540						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe section on waterward side appears to have been removed and reinstalled--Need to contact owner to obtain additional information regarding work completed.						
FIELD_STRUCT_DESC: 14-inch steel irrigation discharge pipe through the levee, 4.6 feet below the crown. Pump and valve on the riverbank. See DS_ID 19521. (Plans for installation of an angle mount low-lift pump and structure to replace an existing portable pumping plant, which will be connected to the existing 14-inch discharge pipe through the levee authorized under Permit No. 3798, 1961 - Alta Morris).						
[Additional Reference(s): USACE Sacramento O&M Manual 127, June 1953, (Station 266+72.2)].						
FS Date: 3/4/2014						

Photo 2 of 3 : UCIP_SP_2019_31969_58409.jpg



Pipe located on waterward side.

LM Start	0.93	Rating **	M	Issue No.	403 (cont)
LM End	0.93	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2019_31969_58408.jpg



Pipe junction exposed on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	0.99	Rating **	M	Issue No.	50
LM End	1.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.800197 °	38.801805 °
				-121.708227 °	-121.703104 °
DWR ID	DWR_NA0022_01_f_2018_50				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
LMA is working to secure a spray contract for wild vegetation.					

No Photos

LM Start	1.07	Rating **	C	Issue No.	154
LM End	1.07	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.800364 °	38.800364 °
				-121.706751 °	-121.706751 °
DWR ID	DWR_NA0022_01_s_2017_154				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Large tree trunk on waterside levee slope.					

No Photos

LM Start	1.34	Rating **	U	Issue No.	23
LM End	1.34	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			38.802100 °	38.802100 °
				-121.702328 °	-121.702328 °
DWR ID	DWR_NA0022_01_s_2019_23				
Comment Code					
Inspector Comment					
Potential seepage near the landside toe. Recommend monitoring.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	1.36	Rating **	M	Issue No.	44
LM End	1.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.802148 °	38.799435 °
				-121.702010 °	-121.698462 °
DWR ID	DWR_NA0022_01_s _ 2019_44				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	1.52	Rating **	M	Issue No.	69
LM End	1.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.800988 °	38.800988 °
				-121.699597 °	-121.699597 °
DWR ID	DWR_NA0022_01_s _ 2018_69				
Comment Code					
TR : Tree or limb					
Inspector Comment					
A fallen tree is located on the waterside slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	1.72	Rating **	M	Issue No.	404	
LM End	1.72	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.798388 °	38.798388 °	
				-121.698145 °	-121.698145 °	
DWR ID	19522					
Comment Code						
Inspector Comment						
FS_ID:31912 DS_ID:19522 EP_NO: 6296 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Siphon breaker housing on landward slope unit damaged and debris scattered on landward side. Unable to determine if crossing is still in use. Need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: 12-inch (not 14-inch as indicated in the desk study) coated steel irrigation discharge pipe through the levee, 11.8 feet below the crown. Standard corrugated metal cutoff wall around pipe at centerline of levee. 1.25-inch electrical conduit through the levee. Electrical control panel on the waterside (WS) slope. Slant pump mounted on a steel structure on the riverbank. Siphon breaker on the landside (LS) shoulder. Pipe extends from pump to existing irrigation ditch at the LS toe. (Plans to install a pump and pipe through the levee authorized under Permit No. 6296, 1968 - Emma Collier). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 3/4/2014						

LM Start	1.72	Rating **	M	Issue No.	404 (cont)
LM End	1.72	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2019_31912_58261.jpg



View of landward side.

Photo 2 of 3 : UCIP_SP_2019_31912_58260.jpg



Riser on landward toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	1.72	Rating **	M	Issue No.	404 (cont)	
LM End	1.72	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.798388 °		38.798388 °
				-121.698145 °		-121.698145 °
DWR ID	19522					
Comment Code						
Inspector Comment						
FS_ID:31912 DS_ID:19522 EP_NO: 6296 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Siphon breaker housing on landward slope unit damaged and debris scattered on landward side. Unable to determine if crossing is still in use. Need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: 12-inch (not 14-inch as indicated in the desk study) coated steel irrigation discharge pipe through the levee, 11.8 feet below the crown. Standard corrugated metal cutoff wall around pipe at centerline of levee. 1.25-inch electrical conduit through the levee. Electrical control panel on the waterside (WS) slope. Slant pump mounted on a steel structure on the riverbank. Siphon breaker on the landside (LS) shoulder. Pipe extends from pump to existing irrigation ditch at the LS toe. (Plans to install a pump and pipe through the levee authorized under Permit No. 6296, 1968 - Emma Collier). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 3/4/2014						

Photo 3 of 3 : UCIP_SP_2019_31912_58259.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	1.75	Rating **	M	Issue No.	405
LM End	1.75	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.797928 °	38.797928 °
				-121.697992 °	-121.697992 °
DWR ID	19539				
Comment Code					
Inspector Comment					
FS_ID:38190 DS_ID:19539 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: *ABANDONED* 12-inch corrugated metal irrigation discharge pipe through the levee, at an unknown depth. Gate valve in pump house on the waterside (WS), no pump house found. Crossing was abandoned prior to 1968. [Additional Reference(s): USACE Sacramento O&M Manual 127, June 1953, (Station 224+3.5), 18-inch pipe referenced]. FS Date: 3/4/2014					

Photo 1 of 3 : UCIP_SP_2019_38190_69563.jpg



View of waterward side.

LM Start	1.75	Rating **	M	Issue No.	405 (cont)
LM End	1.75	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2019_38190_69565.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	1.75	Rating **	M	Issue No.	405 (cont)	
LM End	1.75	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.797928 °		38.797928 °
				-121.697992 °		-121.697992 °
DWR ID	19539					
Comment Code						
Inspector Comment						
FS_ID:38190 DS_ID:19539 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: *ABANDONED* 12-inch corrugated metal irrigation discharge pipe through the levee, at an unknown depth. Gate valve in pump house on the waterside (WS), no pump house found. Crossing was abandoned prior to 1968. [Additional Reference(s): USACE Sacramento O&M Manual 127, June 1953, (Station 224+3.5), 18-inch pipe referenced]. FS Date: 3/4/2014						

Photo 3 of 3 : UCIP_SP_2019_38190_69564.jpg



Concrete box located on landward toe.

LM Start	1.77	Rating **	M	Issue No.	112
LM End	1.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.797596 °	38.797596 °
				-121.697855 °	-121.697855 °
DWR ID	DWR_NA0022_01_s_2016_112				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove walnut and oak trees at landside toe that are less than 4" in diameter at chest height.					

Photo 1 of 1 : SP_2019_NA0022_350_112_20190304_00052.jpg



View of the tree at the toe of the levee on the landward side looking downstream. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	1.80	Rating **	C	Issue No.	68
LM End	1.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.797282 °	38.797282 °
				-121.697636 °	-121.697636 °
DWR ID	DWR_NA0022_01_f_2017_68				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	1.81	Rating **	C	Issue No.	114
LM End	1.81	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.797142 °	38.797142 °
				-121.697479 °	-121.697479 °
DWR ID	DWR_NA0022_01_s_2016_114				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.96	Rating **	M	Issue No.	119
LM End	1.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.795418 °	38.795418 °
				-121.695964 °	-121.695964 °
DWR ID	DWR_NA0022_01_s_2016_119				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Multiple rodent holes are located on the landside slope near toe.					

Photo 1 of 2 : SP_2019_NA0022_350_119_20190304_00055.jpg



View of rodent holes on landside slope. Fall 2017.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	1.96	Rating **	M	Issue No.	119 (cont)	
LM End	1.96	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			38.795418 °		38.795418 °
				-121.695964 °		-121.695964 °
DWR ID	DWR_NA0022_01_s_2016_119					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						
Multiple rodent holes are located on the landside slope near toe.						

Photo 2 of 2 : SP_2019_NA0022_350_119_20190304_00056.jpg



View of the rodent hole on the landward side of the levee. Spring 2016.

LM Start	1.96	Rating **	C	Issue No.	51
LM End	1.96	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.795405 °	38.795405 °
				-121.695965 °	-121.695965 °
DWR ID	DWR_NA0022_01_f_2018_51				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen tree on waterside slope.					

No Photos

LM Start	1.96	Rating **	M	Issue No.	118
LM End	2.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.795360 °	38.794760 °
				-121.695952 °	-121.695781 °
DWR ID	DWR_NA0022_01_s_2016_118				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Remove trees that are less than 4" in diameter at chest height.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	1.97	Rating **	M	Issue No.	406	
LM End	1.97	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.795248 °	38.795248 °	
				-121.695958 °	-121.695958 °	
DWR ID	19524					
Comment Code						
Inspector Comment						
FS_ID:40536 DS_ID:19524 EP_NO: 9413 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Alignment through levee unknown--no signs of crossing through landward side. Need to contact owner to determine status of crossing. This crossing appears to have been updated since 1970s. FIELD_STRUCT_DESC: 24-inch pipe of an unknown material or purpose through the levee, 15.5 feet below the crown. Gate valve on the landside (LS) end. Ramp on the waterside (WS) slope. (Retention of a 30-inch pipe through the levee and a slide gate in a corrugated metal pipe [CMP] riser on both slopes authorized under Automatic Board Order (ABO) issued as Permit No. 9413, 1974 - Wallace Construction Company). Added appurtenances noticed in 2014: pump, metal frame platform, flow meter, and control panel on the WS. Appurtenances could be associated with Permit No. 12804. This appears to be the same entry as DS_ID 19538. [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 3/4/2014						

LM Start	1.97	Rating **	M	Issue No.	406 (cont)
LM End	1.97	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2019_40536_58265.jpg



View of landward side.

Photo 2 of 3 : UCIP_SP_2019_40536_58264.jpg



View of levee crown at crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	1.97	Rating **	M	Issue No.	406 (cont)	
LM End	1.97	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.795248 °	38.795248 °	
				-121.695958 °	-121.695958 °	
DWR ID	19524					
Comment Code						
Inspector Comment						
FS_ID:40536 DS_ID:19524 EP_NO: 9413 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Alignment through levee unknown--no signs of crossing through landward side. Need to contact owner to determine status of crossing. This crossing appears to have been updated since 1970s. FIELD_STRUCT_DESC: 24-inch pipe of an unknown material or purpose through the levee, 15.5 feet below the crown. Gate valve on the landside (LS) end. Ramp on the waterside (WS) slope. (Retention of a 30-inch pipe through the levee and a slide gate in a corrugated metal pipe [CMP] riser on both slopes authorized under Automatic Board Order (ABO) issued as Permit No. 9413, 1974 - Wallace Construction Company). Added appurtenances noticed in 2014: pump, metal frame platform, flow meter, and control panel on the WS. Appurtenances could be associated with Permit No. 12804. This appears to be the same entry as DS_ID 19538. [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 3/4/2014						

Photo 3 of 3 : UCIP_SP_2019_40536_58263.jpg



View of waterward side.

LM Start	1.97	Rating **	M	Issue No.	117
LM End	2.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.795234 °	38.793974 °
				-121.695898 °	-121.695852 °
DWR ID	DWR_NA0022_01_s_2016_117				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 2 : SP_2019_NA0022_350_117_20190304_00053.jpg



View of rodent holes on landside slope. Fall 2017.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	1.97	Rating **	M	Issue No.	117 (cont)	
LM End	2.06	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			38.795234 °		38.793974 °
				-121.695898 °		-121.695852 °
DWR ID	DWR_NA0022_01_s_2016_117					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						

Photo 2 of 2 : SP_2019_NA0022_350_117_20190304_00054.jpg



Series of animal burrows on LS slope of the levee. Fall inspection 10/07/2016.

LM Start	2.04	Rating **	M	Issue No.	407
LM End	2.04	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.794288 °	38.794288 °
				-121.695678 °	-121.695678 °
DWR ID	19523				
Comment Code					
Inspector Comment					
FS_ID:31632 DS_ID:19523 EP_NO: 9413 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Erosion at outlet. Unable to determine if crossing is still in use. Will need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: 30-inch corrugated metal gravity irrigation pipe through the levee, 13.5 feet below the crown. Slide gate on each end in a 48-inch corrugated metal pipe (CMP) riser. (Retention of a 30-inch pipe through the levee and a slide gate in a corrugated metal pipe [CMP] riser on both slopes authorized under Automatic Board Order (ABO) issued as Permit No. 9413, 1974 - Wallace Construction Company. Plans to relocate an existing incline irrigation pumping plant authorized under Permit No. 12804, 1979 - Wallace Construction Company). Pumping plant appears to be located at CLM 1.969, and pipe runs along the waterside (WS) berm and discharges into a ditch where the 30-inch pipe is used to convey the irrigation water to the landside (LS). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 3/4/2014					

Photo 1 of 3 : UCIP_SP_2019_31632_57905.jpg



Outlet located on landward toe.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	2.04	Rating **	M	Issue No.	407 (cont)	
LM End	2.04	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.794288 °	38.794288 °	
				-121.695678 °	-121.695678 °	
DWR ID	19523					
Comment Code						
Inspector Comment						
FS_ID:31632 DS_ID:19523 EP_NO: 9413 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Erosion at outlet. Unable to determine if crossing is still in use. Will need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: 30-inch corrugated metal gravity irrigation pipe through the levee, 13.5 feet below the crown. Slide gate on each end in a 48-inch corrugated metal pipe (CMP) riser. (Retention of a 30-inch pipe through the levee and a slide gate in a corrugated metal pipe [CMP] riser on both slopes authorized under Automatic Board Order (ABO) issued as Permit No. 9413, 1974 - Wallace Construction Company. Plans to relocate an existing incline irrigation pumping plant authorized under Permit No. 12804, 1979 - Wallace Construction Company). Pumping plant appears to be located at CLM 1.969, and pipe runs along the waterside (WS) berm and discharges into a ditch where the 30-inch pipe is used to convey the irrigation water to the landside (LS). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 3/4/2014						

LM Start	2.04	Rating **	M	Issue No.	407 (cont)
LM End	2.04	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2019_31632_57903.jpg



Overview of levee crown at crossing.

Photo 3 of 3 : UCIP_SP_2019_31632_57904.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	2.04	Rating **	M	Issue No.	7
LM End	2.14	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.794259 °	38.792907 °
				-121.695697 °	-121.696033 °
DWR ID	DWR_NA0022_01_s_2019_7				
Comment Code					
DT : Ditch					
Inspector Comment					
A ditch is located at the toe of the levee.					

Photo 1 of 1 : SP_2019_NA0022_350_7_20190304_00002.jpg



View of the ditch at the levee toe on the landward side looking downstream. Spring 2016.

LM Start	2.06	Rating **	M	Issue No.	408
LM End	2.06	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.794035 °	38.794035 °
				-121.695870 °	-121.695870 °
DWR ID	19538				
Comment Code					
Inspector Comment					
FS_ID:31915 DS_ID:19538 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Buried gate valve on landward slope. Crossing appears to be non-functional. Landward pipe section across canal has deteriorated. Will need to contact owner to determine status of crossing. If crossing is not in use owner will need to contact the CVFPB to abandon properly according to Title 23. FIELD_STRUCT_DESC: 20-inch corrugated metal gravity drainage pipe through the levee, at an unknown depth. 20-inch gate valve on the landside (LS) slope. This crossing could be the same record as DS_ID 19524 - unable to confirm. [Additional Reference(s): USACE Sacramento O&M Manual 127, June 1953, (Station 208+15)]. FS Date: 3/4/2014					

Photo 1 of 3 : UCIP_SP_2019_31915_58270.jpg



Slide gate inside canal.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	2.06	Rating **	M	Issue No.	408 (cont)	
LM End	2.06	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.794035 °	38.794035 °	
				-121.695870 °	-121.695870 °	
DWR ID	19538					
Comment Code						
Inspector Comment						
FS_ID:31915 DS_ID:19538 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Buried gate valve on landward slope. Crossing appears to be non-functional. Landward pipe section across canal has deteriorated. Will need to contact owner to determine status of crossing. If crossing is not in use owner will need to contact the CVFPB to abandon properly according to Title 23. FIELD_STRUCT_DESC: 20-inch corrugated metal gravity drainage pipe through the levee, at an unknown depth. 20-inch gate valve on the landside (LS) slope. This crossing could be the same record as DS_ID 19524 - unable to confirm. [Additional Reference(s): USACE Sacramento O&M Manual 127, June 1953, (Station 208+15)]. FS Date: 3/4/2014						

Photo 2 of 3 : UCIP_SP_2019_31915_58269.jpg



View of canal runs parallel on landward toe.

LM Start	2.06	Rating **	M	Issue No.	408 (cont)
LM End	2.06	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2019_31915_58272.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	2.11	Rating **	C	Issue No.	76
LM End	2.11	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.793379 °	38.793379 °
				-121.696158 °	-121.696158 °
DWR ID	DWR_NA0022_01_s_2018_76				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	2.14	Rating **	M	Issue No.	8
LM End	2.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.792956 °	38.792520 °
				-121.696025 °	-121.695581 °
DWR ID	DWR_NA0022_01_s_2012_8				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
There are more than 5 holes on the 25-foot stretch.					

Photo 1 of 2 : SP_2019_NA0022_350_8_20190304_00003.jpg



View of rodent holes on the landside slope. Spring 2018.

LM Start	2.14	Rating **	M	Issue No.	8 (cont)
LM End	2.18	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2019_NA0022_350_8_20190304_00004.jpg



View of rodent holes on landside slope. Fall 2017.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	2.18	Rating **	C	Issue No.	39
LM End	2.18	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.792520 °	38.792520 °
				-121.695578 °	-121.695578 °
DWR ID	DWR_NA0022_01_s_2012_39				
Comment Code					
FW : Firewood					
Inspector Comment					
Firewood is placed at the levee toe.					

No Photos

LM Start	2.18	Rating **	M	Issue No.	40
LM End	2.18	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.792499 °	38.792499 °
				-121.695508 °	-121.695508 °
DWR ID	DWR_NA0022_01_s_2012_40				
Comment Code					
EQ : Equipment					
Inspector Comment					
Equipment is placed at the toe of the levee.					

Photo 1 of 2 : SP_2019_NA0022_350_40_20190304_00021.jpg



View of the equipment on landward side. Fall inspection 10/07/2016.

LM Start	2.18	Rating **	M	Issue No.	40 (cont)
LM End	2.18	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP_2019_NA0022_350_40_20190304_00022.jpg



View of equipment on the landward side of the levee looking downstream. Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	2.20	Rating **	M	Issue No.	160
LM End	2.20	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.792274 °	38.792274 °
				-121.695445 °	-121.695445 °
DWR ID	DWR_NA0022_01_f_2018_160				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen tree cuttings are located on the waterside and landside levees slopes.					

No Photos

LM Start	2.24	Rating **	M	Issue No.	35
LM End	2.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.791652 °	38.791172 °
				-121.695403 °	-121.695165 °
DWR ID	DWR_NA0022_01_s_2016_35				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repair rills on the landward side of the levee.					

Photo 1 of 2 : SP_2019_NA0022_350_35_20190304_00015.jpg



Erosion is on the landward side of the levee. Spring 2016.

LM Start	2.24	Rating **	M	Issue No.	35 (cont)
LM End	2.28	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2019_NA0022_350_35_20190304_00016.jpg



Perspective view of the erosion on the landward side of the levee. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	2.30	Rating **	C	Issue No.	92
LM End	2.30	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.790825 °	38.790825 °
				-121.694900 °	-121.694900 °
DWR ID	DWR_NA0022_01_s_2018_92				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	2.35	Rating **	U	Issue No.	409
LM End	2.35	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.790260 °	38.790260 °
				-121.694510 °	-121.694510 °
DWR ID	19525				

Comment Code

Inspector Comment

FS_ID:52726
DS_ID:19525
EP_NO: N/A
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 7/17/2018 Erosion near concrete box on LS did not progress, but still poses a threat to levee integrity. Recommend internal pipe inspection to determine pipe integrity through levee. (O.Yakimov-DWR UCIP)7/13/2016 same as last inspection. Erosion has progressed. Need to coordinate with owner to address erosion on LS toe. (DWR UCIP - omagana)3/04/2014 Surface erosion near concrete box on landward side. Unable to determine if crossing is leaking or if pump is pulling sand from waterward side. Need to contact owner to determine status of crossing and to check integrity of crossing. (DWR UCIP - omagana)
FIELD_STRUCT_DESC: 16-inch steel irrigation discharge pipe through the levee, 4 feet below the crown (1955 levee log indicates crossing is 18.9 feet below the crown). Concrete well and pump house on the waterside (WS). Screw gate in pump house. Slant pump mounted on a steel structure on the riverbank. 4-foot by 4-foot concrete discharge box on the landside (LS) toe. Overhead power line and anchor crosses levee. Pole on each shoulder. (Plans for installation of a pump on the bank and to utilize an existing discharge pipe through the levee authorized under Permit No. 5951, 1967 - Elizabeth Huston). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 127, June 1953, (Station 192+60)].
FS Date: 8/6/2018 8:28:18 AM

LM Start	2.35	Rating **	U	Issue No.	409 (cont)
LM End	2.35	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2019_52726_57915.jpg



View of LS toe.

Photo 2 of 3 : UCIP_SP_2019_52726_57914.jpg



Slope erosion near concrete box.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	2.35	Rating **	U	Issue No.	409 (cont)
LM End	2.35	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.790260 °	38.790260 °
				-121.694510 °	-121.694510 °
DWR ID	19525				
Comment Code					
Inspector Comment					
FS_ID:52726 DS_ID:19525 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 7/17/2018 Erosion near concrete box on LS did not progress, but still poses a threat to levee integrity. Recommend internal pipe inspection to determine pipe integrity through levee. (O.Yakimov-DWR UCIP)7/13/2016 same as last inspection. Erosion has progressed. Need to coordinate with owner to address erosion on LS toe. (DWR UCIP - omagana)3/04/2014 Surface erosion near concrete box on landward side. Unable to determine if crossing is leaking or if pump is pulling sand from waterward side. Need to contact owner to determine status of crossing and to check integrity of crossing. (DWR UCIP - omagana) FIELD_STRUCT_DESC: 16-inch steel irrigation discharge pipe through the levee, 4 feet below the crown (1955 levee log indicates crossing is 18.9 feet below the crown). Concrete well and pump house on the waterside (WS). Screw gate in pump house. Slant pump mounted on a steel structure on the riverbank. 4-foot by 4-foot concrete discharge box on the landside (LS) toe. Overhead power line and anchor crosses levee. Pole on each shoulder. (Plans for installation of a pump on the bank and to utilize an existing discharge pipe through the levee authorized under Permit No. 5951, 1967 - Elizabeth Huston). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 127, June 1953, (Station 192+60)]. FS Date: 8/6/2018 8:28:18 AM					

Photo 3 of 3 : UCIP_SP_2019_52726_57913.jpg



Outlet located on LS.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	2.35	Rating **	M	Issue No.	96
LM End	2.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.790206 °	38.790206 °
				-121.694534 °	-121.694534 °
DWR ID	DWR_NA0022_01_s_2019_96				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
There seems to be erosion around the concrete box encasing the pipe.					

LM Start	2.35	Rating **	M	Issue No.	96 (cont)
LM End	2.35	Issue Type +	Ma	Location *	LS

Photo 1 of 4 : SP_2019_NA0022_350_96_20190304_00046.jpg



View of erosion on landside slope. Fall 2017.

Photo 2 of 4 : SP_2019_NA0022_350_96_20190304_00047.jpg



Perspective view of the erosion around the pipe on the landward side of the levee looking downstream. Fall 2015.

LM Start	2.35	Rating **	M	Issue No.	96 (cont)
LM End	2.35	Issue Type +	Ma	Location *	LS

Photo 3 of 4 : SP_2019_NA0022_350_96_20190304_00048.jpg



The erosion is within the levee prism. Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	2.35	Rating **	M	Issue No.	96 (cont)	
LM End	2.35	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.790206 °		38.790206 °
				-121.694534 °		-121.694534 °
DWR ID	DWR_NA0022_01_s _ 2019_96					
Comment Code						
E1 : Note and monitor erosion site.						
Inspector Comment						
There seems to be erosion around the concrete box encasing the pipe.						

Photo 4 of 4 : SP_2019_NA0022_350_96_20190304_00049.jpg



View of the pipe in the concrete box. Fall 2015.

LM Start	2.37	Rating **	M	Issue No.	75
LM End	2.37	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.790009 °	38.790009 °
				-121.694554 °	-121.694554 °
DWR ID	DWR_NA0022_01_s _ 2018_75				
Comment Code					
DE : Debris					
Inspector Comment					
There is a pipe valve on the crown.					

No Photos

LM Start	2.41	Rating **	C	Issue No.	94
LM End	2.55	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.789382 °	38.787405 °
				-121.694584 °	-121.694283 °
DWR ID	DWR_NA0022_01_s _ 2016_94				
Comment Code					
AT : Agricultural tilling					
Inspector Comment					
No tilling was observed during this inspection, but has been prevalent in the past.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	2.41	Rating **	M	Issue No.	77
LM End	2.46	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.789364 °	38.788618 °
				-121.694551 °	-121.694253 °
DWR ID	DWR_NA0022_01_s_2018_77				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	2.49	Rating **	M	Issue No.	163
LM End	2.58	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.788246 °	38.786891 °
				-121.694229 °	-121.694272 °
DWR ID	DWR_NA0022_01_s_2017_163				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove trees less than 4" diameter at chest height.					

No Photos

LM Start	2.52	Rating **	U	Issue No.	37
LM End	2.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.787778 °	38.787778 °
				-121.694296 °	-121.694296 °
DWR ID	DWR_NA0022_01_s_2014_37				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP_2019_NA0022_350_37_20190304_00019.jpg



Tree stump decomposing and may pose a risk to the levee. Spring 2014

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	2.52	Rating **	U	Issue No.	123
LM End	2.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.787768 °	38.787768 °
				-121.694295 °	-121.694295 °
DWR ID	DWR_NA0022_01_s_2016_123				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 2 : SP_2019_NA0022_350_123_20190304_00057.jpg



View of the rodent hole next to a tree stump on the landward side of the levee. Spring 2016.

LM Start	2.52	Rating **	U	Issue No.	123 (cont)
LM End	2.52	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2019_NA0022_350_123_20190304_00058.jpg



Perspective view of the rodent hole looking upstream. Spring 2016.

LM Start	2.58	Rating **	M	Issue No.	11
LM End	2.58	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.787012 °	38.787012 °
				-121.694262 °	-121.694262 °
DWR ID	DWR_NA0022_01_s_2012_11				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : SP_2019_NA0022_350_11_20190304_00005.jpg



Garage at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	2.58	Rating **	M	Issue No.	45
LM End	2.58	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.786968 °	38.786968 °
				-121.694270 °	-121.694270 °
DWR ID	DWR_NA0022_01_s _ 2019_45				
Comment Code					
PR : Prunings					
Inspector Comment					
Pile on the landside slope.					

No Photos

LM Start	2.59	Rating **	M	Issue No.	124
LM End	2.59	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.786780 °	38.786780 °
				-121.694317 °	-121.694317 °
DWR ID	DWR_NA0022_01_s _ 2016_124				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2019_NA0022_350_124_20190304_00059.jpg



View of the cacti and trees at the toe of the levee on the landward side looking downstream. Spring 2016.

LM Start	2.64	Rating **	M	Issue No.	55
LM End	2.64	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.786108 °	38.786108 °
				-121.694365 °	-121.694365 °
DWR ID	DWR_NA0022_01_s _ 2019_55				
Comment Code					
PR : Prunings					
Inspector Comment					
Pruning pile is located on the landside slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	2.87	Rating **	M	Issue No.	52
LM End	2.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.783571 °	38.783345 °
				-121.692110 °	-121.691941 °
DWR ID	DWR_NA0022_01_f_2013_52				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2019_NA0022_350_52_20190304_00030.jpg



View of rodent holes on the landside slope. Spring 2018.

LM Start	2.92	Rating **	M	Issue No.	129
LM End	2.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.782993 °	38.782993 °
				-121.691583 °	-121.691583 °
DWR ID	DWR_NA0022_01_f_2018_129				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove trees less than 4" in diameter at chest height.					

No Photos

LM Start	3.06	Rating **	M	Issue No.	12
LM End	3.14	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.781828 °	38.780852 °
				-121.689415 °	-121.688887 °
DWR ID	DWR_NA0022_01_s_2019_12				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 2 : SP_2019_NA0022_350_12_20190304_00006.jpg



Buildings are located at the toe of the levee. Fall 2012

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	3.06	Rating **	M	Issue No.	12 (cont)	
LM End	3.14	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.781828 °	38.780852 °	
				-121.689415 °	-121.688887 °	
DWR ID	DWR_NA0022_01_s_2019_12					
Comment Code						
BU : Building						
Inspector Comment						

Photo 2 of 2 : SP_2019_NA0022_350_12_20190304_00007.jpg



The buildings are encroaching into the levee slope.

LM Start	3.11	Rating **	M	Issue No.	72
LM End	3.11	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.781165 °	38.781165 °
				-121.689072 °	-121.689072 °
DWR ID	DWR_NA0022_01_f_2017_72				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	3.14	Rating **	M	Issue No.	47
LM End	3.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.780857 °	38.780857 °
				-121.688921 °	-121.688921 °
DWR ID	DWR_NA0022_01_s_2015_47				
Comment Code					
TR : Tree or limb					
Inspector Comment					
The tree has fallen over from Spring 2014.					

Photo 1 of 2 : SP_2019_NA0022_350_47_20190304_00026.jpg

Some trees have fallen and others are dying and need to be monitored.
The trees may pose a threat to the levee. Spring 2014

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	3.14	Rating **	M	Issue No.	47 (cont)	
LM End	3.14	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.780857 °		38.780857 °
				-121.688921 °		-121.688921 °
DWR ID	DWR_NA0022_01_s_2015_47					
Comment Code						
TR : Tree or limb						
Inspector Comment						
The tree has fallen over from Spring 2014.						

Photo 2 of 2 : SP_2019_NA0022_350_47_20190304_00027.jpg



View of the fallen tree on the waterward side of the levee looking downstream. Spring 2015.

LM Start	3.18	Rating **	A/W	Issue No.	48
LM End	3.28	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.780407 °	38.779137 °
				-121.688238 °	-121.687432 °
DWR ID	DWR_NA0022_01_f_2018_48				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 86.9 R					
Status: Eroding					
2017 Field Notes: No observed change.					
Site History: 2006 - Short section is into the levee toe, rest is near the levee toe. Mass failure and fluvial erosion of depositional material. Rock at the upstream and downstream ends. 2011 - Minor new erosion. 2012 - Slope continues to steepen, tree roots have become exposed, and new eddy formed.					

Photo 1 of 1 : SP_2019_NA0022_350_48_20190304_00028.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	3.20	Rating **	M	Issue No.	15
LM End	3.20	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.780032 °	38.780032 °
				-121.688508 °	-121.688508 °
DWR ID	DWR_NA0022_01_s_2016_15				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : SP_2019_NA0022_350_15_20190304_00008.jpg



View of the fallen tree on the waterward slope of the levee looking downstream. Spring 2016.

LM Start	3.23	Rating **	M	Issue No.	410
LM End	3.23	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.779625 °	38.779625 °
				-121.688090 °	-121.688090 °
DWR ID	19526				
Comment Code					
Inspector Comment					
FS_ID:39858 DS_ID:19526 EP_NO: 3205 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status of crossing. If crossing is no longer used need to coordinate with CVFPB for proper abandonment. FIELD_STRUCT_DESC: 12-inch coated steel irrigation discharge pipe through the levee, 4 feet below the crown. Metal cutoff wall. Pump on the waterside (WS). Gate valve on the WS slope. Siphon breaker in an 18-inch concrete riser on the landside (LS) slope. 36-inch concrete standpipe at the LS toe. (Previous pipe referenced as USACE O&M irrigation pipe, Station 144+80, was removed and a 12-inch pipe was reinstalled under Permit No. 3205, 1959 - Mary A. Richardson). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 127, June 1953, (Station 144+80)]. FS Date: 3/4/2014					

Photo 1 of 3 : UCIP_SP_2019_39858_71841.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	3.23	Rating **	M	Issue No.	410 (cont)	
LM End	3.23	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.779625 °	38.779625 °	
				-121.688090 °	-121.688090 °	
DWR ID	19526					
Comment Code						
Inspector Comment						
FS_ID:39858 DS_ID:19526 EP_NO: 3205 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status of crossing. If crossing is no longer used need to coordinate with CVFPB for proper abandonment. FIELD_STRUCT_DESC: 12-inch coated steel irrigation discharge pipe through the levee, 4 feet below the crown. Metal cutoff wall. Pump on the waterside (WS). Gate valve on the WS slope. Siphon breaker in an 18-inch concrete riser on the landside (LS) slope. 36-inch concrete standpipe at the LS toe. (Previous pipe referenced as USACE O&M irrigation pipe, Station 144+80, was removed and a 12-inch pipe was reinstalled under Permit No. 3205, 1959 - Mary A. Richardson). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 127, June 1953, (Station 144+80)]. FS Date: 3/4/2014						

LM Start	3.23	Rating **	M	Issue No.	410 (cont)
LM End	3.23	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2019_39858_71840.jpg



Positive closure device is buried on waterward side.

Photo 3 of 3 : UCIP_SP_2019_39858_71845.jpg



Pipe section visible on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	3.24	Rating **	M	Issue No.	411
LM End	3.24	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.779543 °	38.779543 °
				-121.688170 °	-121.688170 °
DWR ID	19545				
Comment Code					
Inspector Comment					
FS_ID:31916 DS_ID:19545 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner--Crossing appears to be abandoned. If crossing is no longer in use, crossing need to be abandoned properly per Title 23. FIELD_STRUCT_DESC: *REMOVED* 12-inch steel irrigation discharge pipe through the levee, at an unknown depth. Pump on the waterside (WS). Concrete standpipe on the landside (LS). (Previous pipe referenced as USACE O&M irrigation pipe, Station 144+80, was removed and a 12-inch pipe was reinstalled under Permit No. 3205, 1959 - Mary A. Richardson). [Additional Reference(s): USACE Sacramento O&M Manual 127, June 1953, (Station 144+80)]. FS Date: 3/4/2014					

Photo 1 of 3 : UCIP_SP_2019_31916_58275.jpg



View of landward side.

LM Start	3.24	Rating **	M	Issue No.	411 (cont)
LM End	3.24	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2019_31916_58274.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	3.24	Rating **	M	Issue No.	411 (cont)	
LM End	3.24	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.779543 °	38.779543 °	
				-121.688170 °	-121.688170 °	
DWR ID	19545					
Comment Code						
Inspector Comment						
FS_ID:31916 DS_ID:19545 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner--Crossing appears to be abandoned. If crossing is no longer in use, crossing need to be abandoned properly per Title 23. FIELD_STRUCT_DESC: *REMOVED* 12-inch steel irrigation discharge pipe through the levee, at an unknown depth. Pump on the waterside (WS). Concrete standpipe on the landside (LS). (Previous pipe referenced as USACE O&M irrigation pipe, Station 144+80, was removed and a 12-inch pipe was reinstalled under Permit No. 3205, 1959 - Mary A. Richardson). [Additional Reference(s): USACE Sacramento O&M Manual 127, June 1953, (Station 144+80)]. FS Date: 3/4/2014						

Photo 3 of 3 : UCIP_SP_2019_31916_58273.jpg



Pipe section visible on waterward side.

LM Start	3.24	Rating **	U	Issue No.	58
LM End	3.24	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			38.779463 °	38.779463 °
				-121.688173 °	-121.688173 °
DWR ID	DWR_NA0022_01_s_2019_58				
Comment Code					
Inspector Comment					
Seepage at the landside toe.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	3.25	Rating **	M	Issue No.	62
LM End	3.25	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.779340 °	38.779340 °
				-121.688050 °	-121.688050 °
DWR ID	DWR_NA0022_01_s _ 2019_62				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
There are rodent holes on the landside and waterside slopes.					

No Photos

LM Start	3.31	Rating **	M	Issue No.	64
LM End	3.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.778500 °	38.778500 °
				-121.687578 °	-121.687578 °
DWR ID	DWR_NA0022_01_s _ 2019_64				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
There are rodent holes on the landside slope.					

No Photos

LM Start	3.34	Rating **	M	Issue No.	53
LM End	3.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.778097 °	38.778097 °
				-121.687339 °	-121.687339 °
DWR ID	DWR_NA0022_01_f _ 2018_53				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	3.35	Rating **	U	Issue No.	65
LM End	3.35	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			38.778038 °	38.778038 °
				-121.687295 °	-121.687295 °
DWR ID	DWR_NA0022_01_s_2019_65				
Comment Code					
Inspector Comment					
Seepage at the landside toe.					

No Photos

LM Start	3.41	Rating **	M	Issue No.	79
LM End	3.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.777204 °	38.777204 °
				-121.687045 °	-121.687045 °
DWR ID	DWR_NA0022_01_s_2015_79				
Comment Code					
Inspector Comment					
This issue was originally added as a stairway notched into the levee. Since 2016 it has become an erosion issue.					

Photo 1 of 3 : SP_2019_NA0022_350_79_20190304_00038.jpg



View of erosion on the landside slope. Fall 2016.

LM Start	3.41	Rating **	M	Issue No.	79 (cont)
LM End	3.41	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : SP_2019_NA0022_350_79_20190304_00037.jpg



View of erosion on the landside slope. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	3.41	Rating **	M	Issue No.	79 (cont)	
LM End	3.41	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.777204 °		38.777204 °
				-121.687045 °		-121.687045 °
DWR ID	DWR_NA0022_01_s_2015_79					
Comment Code						
Inspector Comment						
This issue was originally added as a stairway notched into the levee. Since 2016 it has become an erosion issue.						

Photo 3 of 3 : SP_2019_NA0022_350_79_20190304_00036.jpg



View of the stairs on the landward side of the levee looking downstream. Spring 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	3.41	Rating **	M	Issue No.	412
LM End	3.41	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.777190°	38.777190°
				-121.687048°	-121.687048°
DWR ID	19527				
Comment Code					
Inspector Comment					
FS_ID:52727 DS_ID:19527 EP_NO: 3729 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/17/2018 Section of WS levee slope that was disturbed during flow meter installation was backfilled but not compacted properly. Due to this, crossing downgraded to "Non-Urgent". Water pump was running during inspection, no leaks detected. (O.Yakimov-DWR UCIP)10/24/2017 Received updated photos of site from DWR levee inspector, Z. Jojola. Photos show levee slope has been disturbed where the flow meter is attached to pipe on the WS and section of the levee has not been backfill per Title 23 requirements. Recommend contacting the owner and coordinating with LMA about the issue. Crossing has been upgraded from Non-Urgent to Urgent due to disturbance of levee section. (DWR UCIP - O. Magana)03/04/2014 Crossing has been modified. Need to contact owner to determine additional information pertaining to the modifications. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 10-inch irrigation discharge pipe of an unknown material through the levee, 3 feet below the crown. Metal cutoff wall. 1.5-inch electrical conduit through the levee, 1 foot below the crown. Service pole and meter at the landside (LS) toe. Pump and gate valve on the riverbank with an access ramp. Siphon breaker in a 12-inch concrete riser on the LS shoulder. (Plans for installation of a 10-inch centrifugal pump on the bank with a discharge pipe through the levee authorized under Permit No. 3729, 1961 - Clayton Russell). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 7/17/2018					

Photo 1 of 3 : UCIP_SP_2019_52727_58279.jpg



View of landward side, photo 1 of 2.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	3.41	Rating **	M	Issue No.	412 (cont)	
LM End	3.41	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.777190 °	38.777190 °	
				-121.687048 °	-121.687048 °	
DWR ID	19527					
Comment Code						
Inspector Comment						
FS_ID:52727 DS_ID:19527 EP_NO: 3729 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/17/2018 Section of WS levee slope that was disturbed during flow meter installation was backfilled but not compacted properly. Due to this, crossing downgraded to "Non-Urgent". Water pump was running during inspection, no leaks detected. (O.Yakimov-DWR UCIP)10/24/2017 Received updated photos of site from DWR levee inspector, Z. Jojola. Photos show levee slope has been disturbed where the flow meter is attached to pipe on the WS and section of the levee has not been backfill per Title 23 requirements. Recommend contacting the owner and coordinating with LMA about the issue. Crossing has been upgraded from Non-Urgent to Urgent due to disturbance of levee section. (DWR UCIP - O. Magana)03/04/2014 Crossing has been modified. Need to contact owner to determine additional information pertaining to the modifications. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 10-inch irrigation discharge pipe of an unknown material through the levee, 3 feet below the crown. Metal cutoff wall. 1.5-inch electrical conduit through the levee, 1 foot below the crown. Service pole and meter at the landside (LS) toe. Pump and gate valve on the riverbank with an access ramp. Siphon breaker in a 12-inch concrete riser on the LS shoulder. (Plans for installation of a 10-inch centrifugal pump on the bank with a discharge pipe through the levee authorized under Permit No. 3729, 1961 - Clayton Russell). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 7/17/2018						

Photo 2 of 3 : UCIP_SP_2019_52727_58282.jpg



View of landward side, photo 2 of 2.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	3.41	Rating **	M	Issue No.	412 (cont)	
LM End	3.41	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.777190°	38.777190°	
				-121.687048°	-121.687048°	
DWR ID	19527					
Comment Code						
Inspector Comment						
FS_ID:52727 DS_ID:19527 EP_NO: 3729 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/17/2018 Section of WS levee slope that was disturbed during flow meter installation was backfilled but not compacted properly. Due to this, crossing downgraded to "Non-Urgent". Water pump was running during inspection, no leaks detected. (O.Yakimov-DWR UCIP)10/24/2017 Received updated photos of site from DWR levee inspector, Z. Jojola. Photos show levee slope has been disturbed where the flow meter is attached to pipe on the WS and section of the levee has not been backfill per Title 23 requirements. Recommend contacting the owner and coordinating with LMA about the issue. Crossing has been upgraded from Non-Urgent to Urgent due to disturbance of levee section. (DWR UCIP - O. Magana)03/04/2014 Crossing has been modified. Need to contact owner to determine additional information pertaining to the modifications. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 10-inch irrigation discharge pipe of an unknown material through the levee, 3 feet below the crown. Metal cutoff wall. 1.5-inch electrical conduit through the levee, 1 foot below the crown. Service pole and meter at the landside (LS) toe. Pump and gate valve on the riverbank with an access ramp. Siphon breaker in a 12-inch concrete riser on the LS shoulder. (Plans for installation of a 10-inch centrifugal pump on the bank with a discharge pipe through the levee authorized under Permit No. 3729, 1961 - Clayton Russell). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 7/17/2018						

Photo 3 of 3 : UCIP_SP_2019_52727_58281.jpg



Flow meter located on waterward shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	3.41	Rating **	U	Issue No.	67
LM End	3.91	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			38.777152 °	38.771140 °
				-121.686942 °	-121.691150 °
DWR ID	DWR_NA0022_01_s_2019_67				
Comment Code					
Inspector Comment					
Significant seepage within the landside field.					

Photo 1 of 1 : SP_2019_NA0022_350_67_20190329_00129.jpg



View of seepage in the adjacent landside field. Spring 2019.

LM Start	3.55	Rating **	M	Issue No.	413
LM End	3.55	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.775208 °	38.775208 °
				-121.687070 °	-121.687070 °
DWR ID	19528				
Comment Code					
Inspector Comment					
FS_ID:38996 DS_ID:19528 EP_NO: 3722 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe visible only on waterward side--Pipe needs to be properly abandoned per Title 23. Need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: *ABANDONED* 10-inch steel irrigation discharge pipe through the levee, 3 feet below the crown. Metal cutoff walls at centerline of levee. 1.5-inch electrical conduit through the levee, 1 foot below the crown. Pump and gate valve on the riverbank. Siphon breaker in a 12-inch concrete riser on the landside (LS) shoulder. Pipe connects to an existing 24-inch concrete standpipe at the LS toe. (Plans for construction of a pumping plant on the bank authorized under Permit No. 3722, 1961 - Glen L. and Duane P. Traganza). No standpipe found at the LS toe. In the 1955 levee log, the crossing was referenced as a 10-inch pipe, 5.3 feet below the crown, at HLM 3.60. [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 3/4/2014					

Photo 1 of 3 : UCIP_SP_2019_38996_69568.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	3.55	Rating **	M	Issue No.	413 (cont)	
LM End	3.55	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.775208 °	38.775208 °	
				-121.687070 °	-121.687070 °	
DWR ID	19528					
Comment Code						
Inspector Comment						
FS_ID:38996 DS_ID:19528 EP_NO: 3722 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe visible only on waterward side--Pipe needs to be properly abandoned per Title 23. Need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: *ABANDONED* 10-inch steel irrigation discharge pipe through the levee, 3 feet below the crown. Metal cutoff walls at centerline of levee. 1.5-inch electrical conduit through the levee, 1 foot below the crown. Pump and gate valve on the riverbank. Siphon breaker in a 12-inch concrete riser on the landside (LS) shoulder. Pipe connects to an existing 24-inch concrete standpipe at the LS toe. (Plans for construction of a pumping plant on the bank authorized under Permit No. 3722, 1961 - Glen L. and Duane P. Traganza). No standpipe found at the LS toe. In the 1955 levee log, the crossing was referenced as a 10-inch pipe, 5.3 feet below the crown, at HLM 3.60. [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 3/4/2014						

LM Start	3.55	Rating **	M	Issue No.	413 (cont)
LM End	3.55	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2019_38996_69567.jpg



Debris scattered on landward side.

Photo 3 of 3 : UCIP_SP_2019_38996_69566.jpg



Abandoned conduit line through levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	3.58	Rating **	C	Issue No.	74
LM End	3.58	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.774773 °	38.774773 °
				-121.687237 °	-121.687237 °
DWR ID	DWR_NA0022_01_f_2017_74				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen limb on waterside slope.					

No Photos

LM Start	3.71	Rating **	M	Issue No.	131
LM End	3.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.773130 °	38.772706 °
				-121.688454 °	-121.688927 °
DWR ID	DWR_NA0022_01_s_2016_131				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Remove trees less than 4" in diameter at chest height and trim trees.					

No Photos

LM Start	3.90	Rating **	M	Issue No.	78
LM End	3.90	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.771249 °	38.771249 °
				-121.690990 °	-121.690990 °
DWR ID	DWR_NA0022_01_s_2018_78				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	3.92	Rating **	M	Issue No.	73
LM End	3.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.771040 °	38.771040 °
				-121.691298 °	-121.691298 °
DWR ID	DWR_NA0022_01_s_2019_73				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Tree cuttings are located on the landside slope.					

No Photos

LM Start	3.95	Rating **	C	Issue No.	54
LM End	3.95	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.770850 °	38.770850 °
				-121.691698 °	-121.691698 °
DWR ID	DWR_NA0022_01_f_2018_54				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

LM Start	3.98	Rating **	C	Issue No.	172
LM End	3.98	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.770589 °	38.770589 °
				-121.692151 °	-121.692151 °
DWR ID	DWR_NA0022_01_s_2017_172				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	4.01	Rating **	M	Issue No.	414
LM End	4.01	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.770295 °	38.770295 °
				-121.692580 °	-121.692580 °
DWR ID	19529				
Comment Code					
Inspector Comment					
FS_ID:38999 DS_ID:19529 EP_NO: 4570 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status of crossing. CMP riser damage on waterward slope. FIELD_STRUCT_DESC: 16-inch steel irrigation discharge pipe through the levee, 5 feet below the crown. Metal plate welded on the waterside (WS) end. Pump, 1.5-inch electrical conduit, and gate valve in a concrete U-shaped headwall are located on the riverbank. (Plans to replace existing pump on the riverbank authorized under Permit 7618-A, 1974 - Wallace Construction Company, Inc., care of Laugenour and Meikle). Pipe extends from the pump to a concrete standpipe on the landside (LS). Pipe exposed on the LS slope. Water meter in a 36-inch corrugated metal pipe (CMP) riser on the WS slope. Siphon breaker in a 7-inch metal riser on the LS shoulder. 30-inch concrete riser at the LS toe. Metal cutoff wall installed. (Plans for construction of a pumping plant with a discharge pipe through the levee authorized under Permit No. 4570, 1964 - England Brothers). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 3/4/2014					

LM Start	4.01	Rating **	M	Issue No.	414 (cont)
LM End	4.01	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2019_38999_57948.jpg



View of landward side.

Photo 2 of 3 : UCIP_SP_2019_38999_57947.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	4.01	Rating **	M	Issue No.	414 (cont)
LM End	4.01	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.770295 °	38.770295 °
				-121.692580 °	-121.692580 °
DWR ID	19529				
Comment Code					
Inspector Comment					
FS_ID:38999 DS_ID:19529 EP_NO: 4570 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status of crossing. CMP riser damage on waterward slope. FIELD_STRUCT_DESC: 16-inch steel irrigation discharge pipe through the levee, 5 feet below the crown. Metal plate welded on the waterside (WS) end. Pump, 1.5-inch electrical conduit, and gate valve in a concrete U-shaped headwall are located on the riverbank. (Plans to replace existing pump on the riverbank authorized under Permit 7618-A, 1974 - Wallace Construction Company, Inc., care of Laugenour and Meikle). Pipe extends from the pump to a concrete standpipe on the landside (LS). Pipe exposed on the LS slope. Water meter in a 36-inch corrugated metal pipe (CMP) riser on the WS slope. Siphon breaker in a 7-inch metal riser on the LS shoulder. 30-inch concrete riser at the LS toe. Metal cutoff wall installed. (Plans for construction of a pumping plant with a discharge pipe through the levee authorized under Permit No. 4570, 1964 - England Brothers). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 3/4/2014					

Photo 3 of 3 : UCIP_SP_2019_38999_57946.jpg



View of levee crown at crossing.

LM Start	4.11	Rating **	M	Issue No.	134
LM End	4.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.769021 °	38.767275 °
				-121.693645 °	-121.693448 °
DWR ID	DWR_NA0022_01_s_2016_134				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	4.25	Rating **	A/W	Issue No.	36
LM End	4.49	Issue Type +	Ob	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.767125°	38.764582°
				-121.693267°	-121.690285°
DWR ID	DWR_NA0022_01_f_2017_36				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					

Photo 1 of 2 : SP_2019_NA0022_350_36_20190304_00017.jpg



Another view of the site.

LM Start	4.25	Rating **	A/W	Issue No.	36 (cont)
LM End	4.49	Issue Type +	Ob	Location *	WS

Photo 2 of 2 : SP_2019_NA0022_350_36_20190304_00018.jpg



Fence, irrigation and stakes in the revegetation site.

LM Start	4.29	Rating **	M	Issue No.	126
LM End	4.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.766692 °	38.766692 °
				-121.692695 °	-121.692695 °
DWR ID	DWR_NA0022_01_f_2016_126				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove trees less than 4-inches in diameter at chest height.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	4.44	Rating **	M	Issue No.	415
LM End	4.44	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.765142 °	38.765142 °
				-121.690963 °	-121.690963 °
DWR ID	19530				
Comment Code					
Inspector Comment					
FS_ID:31986 DS_ID:19530 EP_NO: 9409 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pump station not found. Crossing appears to be abandon. Need to contact owner to determine status. Repair site on waterward side--waterward slope revegetated. FIELD_STRUCT_DESC: 16-inch steel irrigation discharge pipe through the levee, 6.4 feet below the crown. Pump and control valve on the riverbank. Ramp on the landside (LS) slope. (Retention of a 16-inch pipe through the levee and a pump on the riverbank authorized under Automatic Board Order (ABO) issued as Permit No. 9409, 1974 - Clayton Russell). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 3/4/2014					

LM Start	4.44	Rating **	M	Issue No.	415 (cont)
LM End	4.44	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2019_31986_58442.jpg



View of landward side.

Photo 2 of 3 : UCIP_SP_2019_31986_58439.jpg



Pipe through levee punctured visible on landward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	4.44	Rating **	M	Issue No.	415 (cont)	
LM End	4.44	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.765142 °		38.765142 °
				-121.690963 °		-121.690963 °
DWR ID	19530					
Comment Code						
Inspector Comment						
FS_ID:31986 DS_ID:19530 EP_NO: 9409 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pump station not found. Crossing appears to be abandon. Need to contact owner to determine status. Repair site on waterward side--waterward slope revegetated. FIELD_STRUCT_DESC: 16-inch steel irrigation discharge pipe through the levee, 6.4 feet below the crown. Pump and control valve on the riverbank. Ramp on the landside (LS) slope. (Retention of a 16-inch pipe through the levee and a pump on the riverbank authorized under Automatic Board Order (ABO) issued as Permit No. 9409, 1974 - Clayton Russell). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 3/4/2014						

Photo 3 of 3 : UCIP_SP_2019_31986_58441.jpg



View of waterward side.

LM Start	4.44	Rating **	M	Issue No.	81
LM End	4.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.765079 °	38.765079 °
				-121.690887 °	-121.690887 °
DWR ID	DWR_NA0022_01_f_2018_81				
Comment Code					
TR : Tree or limb					
Inspector Comment					
A fallen tree is located on the waterside slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	4.52	Rating **	U	Issue No.	416
LM End	4.52	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.764248 °	38.764248 °
				-121.689918 °	-121.689918 °
DWR ID	19537				
Comment Code					
Inspector Comment					
FS_ID:52728 DS_ID:19537 EP_NO: 18298 Repair Type: Urgent Crossing Status: Found UCIP Comments: 7/17/2018 Subsidence around siphon breaker on LS is present, although didn't increase in diameter. Water pump was running during site visit, small leak from pipe connection was observed on LS. (O.Yakimov-DWR UCIP)7/13/2016 same as last inspection - hole is still present near siphon breaker. Dense vegetation present and limits the inspector's visibility to identify signs of pipe failure (leaks) along the WS and LS slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. (DWR UCIP - omagana)3/04/2014 Subsidence visible where siphon breaker is located on landward side. Unable to determine if subsidence is due to poor compaction or leak at siphon breaker. Need to contact owner to address issue. (DWR UCIP - omagana) FIELD_STRUCT_DESC: 14-inch coated steel water pipe through the levee, 2 feet below the crown. Pump platform is supported by 6 pilings on the waterside (WS) slope. Siphon breaker and air release valve on the landside (LS) shoulder. Concrete distribution box on the LS toe. Rock riprap along the WS slope. (Permit No. 18298, 2007 - Heidrick, [permit not in database]). FS Date: 7/17/2018 11:31:53 AM					

LM Start	4.52	Rating **	U	Issue No.	416 (cont)
LM End	4.52	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2019_52728_69573.jpg



View of LS--subsidence near levee crown.

Photo 2 of 3 : UCIP_SP_2019_52728_69572.jpg



Power pole with conduit line through levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	4.52	Rating **	U	Issue No.	416 (cont)	
LM End	4.52	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.764248 °	38.764248 °	
				-121.689918 °	-121.689918 °	
DWR ID	19537					
Comment Code						
Inspector Comment						
FS_ID:52728 DS_ID:19537 EP_NO: 18298 Repair Type: Urgent Crossing Status: Found UCIP Comments: 7/17/2018 Subsidence around siphon breaker on LS is present, although didn't increase in diameter. Water pump was running during site visit, small leak from pipe connection was observed on LS. (O.Yakimov-DWR UCIP)7/13/2016 same as last inspection - hole is still present near siphon breaker. Dense vegetation present and limits the inspector's visibility to identify signs of pipe failure (leaks) along the WS and LS slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. (DWR UCIP - omagana)3/04/2014 Subsidence visible where siphon breaker is located on landward side. Unable to determine if subsidence is due to poor compaction or leak at siphon breaker. Need to contact owner to address issue. (DWR UCIP - omagana) FIELD_STRUCT_DESC: 14-inch coated steel water pipe through the levee, 2 feet below the crown. Pump platform is supported by 6 pilings on the waterside (WS) slope. Siphon breaker and air release valve on the landside (LS) shoulder. Concrete distribution box on the LS toe. Rock riprap along the WS slope. (Permit No. 18298, 2007 - Heidrick, [permit not in database]). FS Date: 7/17/2018 11:31:53 AM						

Photo 3 of 3 : UCIP_SP_2019_52728_75759.jpg



Overview of pipe crossing looking upstream.

LM Start	4.56	Rating **	U	Issue No.	80
LM End	4.63	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			38.763905 °	38.763360 °
				-121.689373 °	-121.688208 °
DWR ID	DWR_NA0022_01_s_2019_80				
Comment Code					
Inspector Comment					
Seepage at the landside toe.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojoia

LM Start	4.62	Rating **	M	Issue No.	136
LM End	4.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.763380 °	38.763380 °
				-121.688339 °	-121.688339 °
DWR ID	DWR_NA0022_01_s _ 2016_136				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

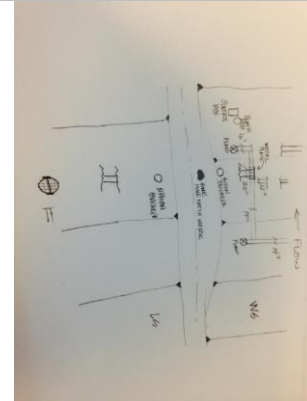
LM Start	4.69	Rating **	U	Issue No.	417
LM End	4.69	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.763087 °	38.763087 °
				-121.687125 °	-121.687125 °
DWR ID	19531				

Comment Code

Inspector Comment

FS_ID:52729
DS_ID:19531
EP_NO: 9408
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 07/17/2018 No change from previous inspection. Patch repair of pavement on levee crown is in the same condition. Good candidate for internal inspection. (O.Yakimov-DWR UCIP)10/24/2017 Received updated photos from DWR levee inspector, Z. Jojola, and the photos show some depression along LS slope. Road patch repair is still visible on levee road, recommend an internal integrity inspection of pipe to determine the condition through the levee and slopes. (DWR UCIP - O. Magana) 07/13/2016 Same as last inspection. Sink hole repair visible on levee road. Recommend contacting owner to determine if an internal integrity inspection of the pipe was completed to confirm sink hole was not the cause of the damage to road. If no internal integrity inspection was completed during road repair, recommend an internal integrity inspection be completed at this location based on the sink hole that developed along pipe alignment and based on age of pipe. (DWR UCIP - omagana)03/04/2014 Signs of sink hole repair on levee crown. Owner will need to contact CVFPB to address sink hole repair. (DWR UCIP - omagana)
FIELD_STRUCT_DESC: 20-inch steel irrigation discharge pipe through the levee, 4.7 feet below the crown. Two slant pumps on the waterside (WS) slope. Steel protective housing unit on each shoulder. Ramp on the landside (LS) slope. (Retention of a 20-inch pipe through the levee with two pumps on the WS berm authorized under Automatic Board Order (ABO) issued as Permit No. 9408, 1974 - Davidella, Grace, and Florence Hershey, Estates, care of LaBorde and Hoover). [Additional Reference(s): DWR Levee Log, 2005].
FS Date: 7/17/2018 11:54:53 AM

Photo 1 of 3 : UCIP_SP_2019_52729_58451.jpg



Plan view of crossing and appurtenances at CLM 4.692.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	4.69	Rating **	U	Issue No.	417 (cont)
LM End	4.69	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.763087 °	38.763087 °
				-121.687125 °	-121.687125 °
DWR ID	19531				

Comment Code

Inspector Comment

FS_ID:52729
DS_ID:19531
EP_NO: 9408
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 07/17/2018 No change from previous inspection. Patch repair of pavement on levee crown is in the same condition. Good candidate for internal inspection. (O.Yakimov-DWR UCIP)10/24/2017 Received updated photos from DWR levee inspector, Z. Jojola, and the photos show some depression along LS slope. Road patch repair is still visible on levee road, recommend an internal integrity inspection of pipe to determine the condition through the levee and slopes. (DWR UCIP - O. Magana) 07/13/2016 Same as last inspection. Sink hole repair visible on levee road. Recommend contacting owner to determine if an internal integrity inspection of the pipe was completed to confirm sink hole was not the cause of the damage to road. If no internal integrity inspection was completed during road repair, recommend an internal integrity inspection be completed at this location based on the sink hole that developed along pipe alignment and based on age of pipe. (DWR UCIP - omagana)03/04/2014 Signs of sink hole repair on levee crown. Owner will need to contact CVFPB to address sink hole repair. (DWR UCIP - omagana)
FIELD_STRUCT_DESC: 20-inch steel irrigation discharge pipe through the levee, 4.7 feet below the crown. Two slant pumps on the waterside (WS) slope. Steel protective housing unit on each shoulder. Ramp on the landside (LS) slope. (Retention of a 20-inch pipe through the levee with two pumps on the WS berm authorized under Automatic Board Order (ABO) issued as Permit No. 9408, 1974 - Davidella, Grace, and Florence Hershey, Estates, care of LaBorde and Hoover). [Additional Reference(s): DWR Levee Log, 2005].
FS Date: 7/17/2018 11:54:53 AM

Photo 2 of 3 : UCIP_SP_2019_52729_58455.jpg



View of WS.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	4.69	Rating **	U	Issue No.	417 (cont)
LM End	4.69	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.763087 °	38.763087 °
				-121.687125 °	-121.687125 °
DWR ID	19531				

Comment Code

Inspector Comment

FS_ID:52729
DS_ID:19531
EP_NO: 9408
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 07/17/2018 No change from previous inspection. Patch repair of pavement on levee crown is in the same condition. Good candidate for internal inspection. (O.Yakimov-DWR UCIP)10/24/2017 Received updated photos from DWR levee inspector, Z. Jojola, and the photos show some depression along LS slope. Road patch repair is still visible on levee road, recommend an internal integrity inspection of pipe to determine the condition through the levee and slopes. (DWR UCIP - O. Magana) 07/13/2016 Same as last inspection. Sink hole repair visible on levee road. Recommend contacting owner to determine if an internal integrity inspection of the pipe was completed to confirm sink hole was not the cause of the damage to road. If no internal integrity inspection was completed during road repair, recommend an internal integrity inspection be completed at this location based on the sink hole that developed along pipe alignment and based on age of pipe. (DWR UCIP - omagana)03/04/2014 Signs of sink hole repair on levee crown. Owner will need to contact CVFPB to address sink hole repair. (DWR UCIP - omagana)
FIELD_STRUCT_DESC: 20-inch steel irrigation discharge pipe through the levee, 4.7 feet below the crown. Two slant pumps on the waterside (WS) slope. Steel protective housing unit on each shoulder. Ramp on the landside (LS) slope. (Retention of a 20-inch pipe through the levee with two pumps on the WS berm authorized under Automatic Board Order (ABO) issued as Permit No. 9408, 1974 - Davidella, Grace, and Florence Hershey, Estates, care of LaBorde and Hoover). [Additional Reference(s): DWR Levee Log, 2005].
FS Date: 7/17/2018 11:54:53 AM

Photo 3 of 3 : UCIP_SP_2019_52729_58459.jpg



Power pole, meter box, & pump control panels located on WS.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	4.87	Rating **	M	Issue No.	137
LM End	4.91	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.763066 °	38.763158 °
				-121.683934 °	-121.683155 °
DWR ID	DWR_NA0022_01_s _ 2016_137				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	4.98	Rating **	M	Issue No.	86
LM End	4.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.762935 °	38.762935 °
				-121.681842 °	-121.681842 °
DWR ID	DWR_NA0022_01_s _ 2019_86				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	4.99	Rating **	M	Issue No.	66
LM End	4.99	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.762886 °	38.762886 °
				-121.681819 °	-121.681819 °
DWR ID	DWR_NA0022_01_f _ 2018_66				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	5.03	Rating **	M	Issue No.	139
LM End	5.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.762541 °	38.762541 °
				-121.681197 °	-121.681197 °
DWR ID	DWR_NA0022_01_s _ 2016_139				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove willows.					

No Photos

LM Start	5.07	Rating **	A/W	Issue No.	140
LM End	5.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.762163 °	38.762163 °
				-121.680674 °	-121.680674 °
DWR ID	DWR_NA0022_01_s _ 2018_140				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	5.11	Rating **	M	Issue No.	141
LM End	5.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.761632 °	38.761435 °
				-121.680132 °	-121.679986 °
DWR ID	DWR_NA0022_01_s _ 2016_141				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	5.18	Rating **	M	Issue No.	85
LM End	5.18	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.760861 °	38.760861 °
				-121.679476 °	-121.679476 °
DWR ID	DWR_NA0022_01_s_2018_85				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	5.19	Rating **	M	Issue No.	100
LM End	5.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.760703 °	38.760703 °
				-121.679320 °	-121.679320 °
DWR ID	DWR_NA0022_01_f_2015_100				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	5.29	Rating **	M	Issue No.	127
LM End	5.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.760013 °	38.759997 °
				-121.677758 °	-121.677724 °
DWR ID	DWR_NA0022_01_f_2016_127				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	5.47	Rating **	M	Issue No.	418
LM End	5.47	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.759678 °	38.759678 °
				-121.674492 °	-121.674492 °
DWR ID	19532				
Comment Code					
Inspector Comment					
FS_ID:31927 DS_ID:19532 EP_NO: 3811 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unable to confirm is crossing is still in use. Need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: 10-inch steel irrigation discharge pipe through the levee, 3.6 feet below the crown. Pump at the waterside (WS) toe on the riverbank. Standard cutoff wall around the pipe at the center of the levee. Standpipe at the landside (LS) toe. Siphon breaker on the LS shoulder. This crossing replaces the previous USACE O&M irrigation pipe referenced at Station 27+49. (Plans to replace a pump, suction pipe, and discharge pipe of an existing pump on the bank authorized under Permit No. 3811, 1962 - Gus Inglin, care of E. E. Luhdorff Company). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 127, June 1953, (Station 27+49)]. FS Date: 3/4/2014					

LM Start	5.47	Rating **	M	Issue No.	418 (cont)
LM End	5.47	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2019_31927_58332.jpg



View of waterward side.

Photo 2 of 3 : UCIP_SP_2019_31927_58331.jpg



Rip rap along waterward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	5.47	Rating **	M	Issue No.	418 (cont)	
LM End	5.47	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.759678 °	38.759678 °	
				-121.674492 °	-121.674492 °	
DWR ID	19532					
Comment Code						
Inspector Comment						
FS_ID:31927 DS_ID:19532 EP_NO: 3811 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unable to confirm is crossing is still in use. Need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: 10-inch steel irrigation discharge pipe through the levee, 3.6 feet below the crown. Pump at the waterside (WS) toe on the riverbank. Standard cutoff wall around the pipe at the center of the levee. Standpipe at the landside (LS) toe. Siphon breaker on the LS shoulder. This crossing replaces the previous USACE O&M irrigation pipe referenced at Station 27+49. (Plans to replace a pump, suction pipe, and discharge pipe of an existing pump on the bank authorized under Permit No. 3811, 1962 - Gus Inglin, care of E. E. Luhdorff Company). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 127, June 1953, (Station 27+49)]. FS Date: 3/4/2014						

Photo 3 of 3 : UCIP_SP_2019_31927_58335.jpg



Pipe visible on waterward toe.

LM Start	5.50	Rating **	M	Issue No.	1
LM End	5.54	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.759620 °	38.759412 °
				-121.673903 °	-121.673167 °
DWR ID	DWR_NA0022_01_s_2012_1				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : SP_2019_NA0022_350_1_20190304_00001.jpg



The house and landscape are in the easment of the levee. Fall 2011

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	5.50	Rating **	M	Issue No.	82
LM End	5.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.759594 °	38.759594 °
				-121.673860 °	-121.673860 °
DWR ID	DWR_NA0022_01_s_2015_82				
Comment Code					
TR : Tree or limb					
Inspector Comment					
A tree fell over on the waterward side of the levee.					

Photo 1 of 1 : SP_2019_NA0022_350_82_20190304_00039.jpg



View of the fallen tree on the waterward side of the levee looking downstream. Spring 2015.

LM Start	5.51	Rating **	A/W	Issue No.	143
LM End	5.51	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.759529 °	38.759529 °
				-121.673670 °	-121.673670 °
DWR ID	DWR_NA0022_01_s_2016_143				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	5.56	Rating **	M	Issue No.	83
LM End	5.56	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.759339 °	38.759339 °
				-121.672863 °	-121.672863 °
DWR ID	DWR_NA0022_01_s_2015_83				
Comment Code					
PR : Prunings					
Inspector Comment					
Prunings and fallen trees are on the waterward side of the levee.					

Photo 1 of 1 : SP_2019_NA0022_350_83_20190304_00040.jpg



View of the tree and tree limbs on the waterward side of the levee looking downstream. Spring 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	5.67	Rating **	M	Issue No.	46
LM End	5.85	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.759000 °	38.758880 °
				-121.670759 °	-121.667899 °
DWR ID	DWR_NA0022_01_f _ 2018_46				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 83.9 R					
Status: Eroding					
2017 Field Notes: Fresh erosion on lower bank.					
Site History: 2006 - Approximately 18 to 20 ft of bank near levee at the corner of the levee and the Freemont Weir. Vertical bank with undercutting/mass failure. 2007 - Staked at top of bank for monitoring.					
2011 - Site has become significantly worse with more of the toe and lower bank eroded. Many trees have fallen since last year. 2012 - Site looks worse with more ersion around trees. 2013 - Additional erosion into the toe. 2015 - Site extended upstream about 500 ft to account for eroding bank. 2016 - Site continues to erode. Multiple trees appear ready to fall into the river.					

LM Start	5.67	Rating **	M	Issue No.	46 (cont)
LM End	5.85	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : SP_2019_NA0022_350_46_20190304_00023.jpg



USACE 2013 Photo #1

Photo 2 of 3 : SP_2019_NA0022_350_46_20190304_00024.jpg



USACE 2013 Photo #2

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	5.67	Rating **	M	Issue No.	46 (cont)
LM End	5.85	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.759000 °	38.758880 °
				-121.670759 °	-121.667899 °
DWR ID	DWR_NA0022_01_f _ 2018_46				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 83.9 R					
Status: Eroding					
2017 Field Notes: Fresh erosion on lower bank.					
Site History: 2006 - Approximately 18 to 20 ft of bank near levee at the corner of the levee and the Freemont Weir. Vertical bank with undercutting/mass failure. 2007 - Staked at top of bank for monitoring.					
2011 - Site has become significantly worse with more of the toe and lower bank eroded. Many trees have fallen since last year. 2012 - Site looks worse with more ersion around trees. 2013 - Additional erosion into the toe. 2015 - Site extended upstream about 500 ft to account for eroding bank. 2016 - Site continues to erode. Multiple trees appear ready to fall into the river.					

Photo 3 of 3 : SP_2019_NA0022_350_46_20190304_00025.jpg



USACE 2013 Photo #3

LM Start	5.83	Rating **	A/W	Issue No.	84
LM End	5.83	Issue Type +	Ob	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.758960 °	38.758960 °
				-121.668200 °	-121.668200 °
DWR ID	DWR_NA0022_01_f_2018_84				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 3 : SP_2019_NA0022_350_84_20190304_00041.jpg



View of an erosion site on waterward slope. Fall inspection 10/07/2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	5.83	Rating **	A/W	Issue No.	84 (cont)	
LM End	5.83	Issue Type +	Ob	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.758960 °		38.758960 °
				-121.668200 °		-121.668200 °
DWR ID	DWR_NA0022_01_f_2018_84					
Comment Code						
E1 : Note and monitor erosion site.						
Inspector Comment						

Photo 2 of 3 : SP_2019_NA0022_350_84_20190304_00042.jpg



View of the erosion on the waterward side of the levee looking upstream. Fall 2015.

LM Start	5.83	Rating **	A/W	Issue No.	84 (cont)
LM End	5.83	Issue Type +	Ob	Location *	WS

Photo 3 of 3 : SP_2019_NA0022_350_84_20190304_00043.jpg



View of the erosion on the waterward side of the levee looking downstream. Fall 2015.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	03/29/2019 03/29/2019	Zach Jojola

LM Start	5.85	Rating **	A/W	Issue No.	57
LM End		Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.759100 °	°
				-121.667964 °	°
DWR ID	DWR_NA0022_01_f_2017_57				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Immediately U.S. of Fremont Weir					
Site ID No:490					
Site Designation:LMA-328					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/27/2017					
Notes: wide crown. Erosion not in prism. May be a new erosion pocket, but need to compare to fsrp data. Old veg still present.					

Photo 1 of 1 : LEVAL_SP_2019_490_4925.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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